

Form PTO-892 U.S. Department of Commerce	Serial Number 09/032,972	Group Art Unit 1623	Attachment to Paper Number	30
Notice of References Cited		APPLICANT(S) Krotz et al.		

U. S. Patent Documents

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate
*	A	5 7 0 5 6 2 1	01/06/98	Ravikumar	536	023.100	
*	B	5 6 1 4 6 2 1	03/25/97	Ravikumar et al. (I)	536	025.340	
*	C	5 5 5 4 7 4 6	09/10/96	Ravikumar et al. (II)	540	200.000	
*	D	5 5 1 0 4 7 6	04/23/96	Ravikumar et al. (III)	536	025.310	
*	E	5 2 1 6 1 4 1	06/01/93	Benner	536	027.130	
*	F	5 7 1 4 5 9 7	02/03/98	Ravikumar et al. (IV)	536	025.310	
*	G	4 9 7 3 6 7 9	11/27/90	Caruthers et al. (I)	536	025.340	
*	H	5 5 4 8 0 7 6	08/20/96	Froehler et al.	536	025.340	
*	I	4 4 5 8 0 6 6	07/03/84	Caruthers et al. (II)	536	025.340	
*	J	4 5 0 0 7 0 7	02/19/85	Caruthers et al. (III)	536	026.700	
*	K	5 1 3 2 4 1 8	07/21/92	Caruthers et al. (IV)	536	025.340	
*	AA	R e 3 4 0 6 9	09/15/92	Köster et al.	536	025.330	
*	AB	5 0 2 6 8 3 8	06/25/91	Nokiri et al.	536	026.700	


Foreign Patent Documents

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB- CLASS		

Other References (Including Author, Title, Date, Pertinent Pages, etc.)

*	R	Ravikumar et al. (V), "Efficient Synthesis of Deoxyribonucleotide Phosphorothioates by the Use of DMT Cation Scavenger," <i>Tetrahedron Letters</i> , 36(37), 6587-6590 (September 11, 1995).
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† Month of publication data is unavailable. Issue Number information is provided whenever possible following the volume number in parentheses.

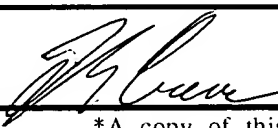
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Other References (Including Author, Title, Date, Pertinent Pages, etc.)

*	S	Krotz et al.(I) , "Synthesis and Deprotection of β -Silylethyl Protected O, O, O- and O, O, S-Trialkylphosphorothioates," <i>Tetrahedron Letters</i> , 37(12), 1999-2002 (March 18, 1996).
*	T	Krotz et al. (II) , "Phosphorothioate Oligonucleotides: Largely Reduced (N-1)-Mer and Phosphodiester Content Through the Use of Dimeric Phosphoramidite Synthons," <i>Bioorganic & Medicinal Chemistry Letters</i> , 7(1), 73-78 (January 7, 1997).
*	U	Krotz et al. (III) , "Phosphorothioates: β -Fragmentation Versus β -Silicon Effect," <i>Angewandte Chemie Intl. Ed.</i> , 34(21), 2406-2409 (November 17, 1995).
*	V[†]	Gait , "An Introduction to Modern Methods of DNA Synthesis," Ch. 1 in <u>Oligonucleotide Synthesis - A Practical Approach</u> , Gait (ed.), IRL Press, Washington, DC, 1984, only pages 1-22 and index/title supplied.
*	W[†]	Sproat et al. (I) , "2'-O-Methyloligoribonucleotides: Synthesis and Applications," Ch. 3 in <u>Oligonucleotides and Analogues - A Practical Approach</u> , Eckstein (ed.), IRL Press, New York, NY, 1991, only title and text pages 49-86 supplied, see especially p. 52.
*	X[†]	Connolly , "Oligonucleotides Containing Modified Bases," Ch. 7 in <u>Oligonucleotides and Analogues - A Practical Approach</u> , Eckstein (ed.), IRL Press, New York, NY, 1991, only title and text pages 155-183 supplied, see especially p. 157.

† Month of publication data is unavailable. Issue Number information is provided whenever possible following the volume number in parentheses.


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	Krotz et al.			

Other References (Including Author, Title, Date, Pertinent Pages, etc.)

*	Y[†]	Conway et al. , "Site-Specific Attachment of Labels to the DNA Backbone," Ch. 9 in <u>Oligonucleotides and Analogues - A Practical Approach</u> , Eckstein (ed.), IRL Press, New York, NY, 1991, only title and text pages 211-239 supplied, see especially p. 218.
*	Z	Atkinson et al. , "Solid-Phase Synthesis of Oligonucleotides by the Phosphite Triester Method," Ch. 3 in <u>Oligonucleotide Synthesis - A Practical Approach</u> , Gait (ed.), IRL Press, Washington, DC, July, 1985, only title and text pages 35-81 supplied, see especially p. 80.
*	RA	Sproat et al. (II) , "Solid-Phase Synthesis of Oligodeoxynucleotides by the Phosphotriester Method," Ch. 4 in <u>Oligonucleotide Synthesis - A Practical Approach</u> , Gait (ed.), IRL Press, Washington, DC, July, 1985, only title and text pages 83-115 supplied, see especially p. 111.
*	SA[†]	Septak , "Kinetic Studies on Depurination and Detritylation of CPG-Bound Intermediates During Oligonucleotide Synthesis," <i>Nucleic Acids Research</i> , 24(15), 3053-3058 (1996). ^{††}
*	TA	Horn et al. (I) , "Solid Support Hydrolysis of Apurinic Sites in Synthetic Oligonucleotides for Rapid and Efficient Purification on Reverse-Phase Cartridges," <i>Nucleic Acids Research</i> , 16(24), 11559-11571 (December 23, 1988).
*	UA	Horn et al. (II) , "Chemical Synthesis and Characterization of Branched Oligodeoxyribonucleotides (bDNA) for Use as Signal Amplifiers in Nucleic Acid Quantification Assays," <i>Nucleic Acids Research</i> , 25(23), 4842-4849 (December 1, 1997).

[†] Month of publication data is unavailable. Issue Number information is provided whenever possible following the volume number in parentheses.

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	Krotz et al.		


Other References (Including Author, Title, Date, Pertinent Pages, etc.)

* VA	Horn et al. (III), "The Synthesis of Branched Oligonucleotides as Signal Amplification Multimers for Use in Nucleic Acid Assays," <i>Nucleosides and Nucleotides</i> , 8(5&6), 875-877 (July/September, 1989).
WA	Horn et al. (IV), "Forks and Combs and DNA: The Synthesis of Branched Oligodeoxyribonucleotides," <i>Nucleic Acids Research</i> , 17(17), 6959-6967 (September 12, 1989).†††

† Month of publication data is unavailable. Issue Number information is provided whenever possible following the volume number in parentheses.

†† Copy supplied by applicant, but not cited by applicant.

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